

ABSTRACT

A method and system for downlink channelization code allocation or assignment in a UMTS are presented. The method and system generate an optimal channelization or OVSF code to be assigned to a new channel through a route having the minimum influence while
5 maintaining the existing or assigned OVSF codes. The inventive method and system leave reserved codes by managing generation and release of the OVSF codes. This prevents situations where the new channel cannot be assigned an OVSF code due to a lack of OVSF codes, even though there is enough available power and enough available channels.